

water resources division of the North Carolina department of conservation and development. It constitutes Plate I of Economic Paper 61 (1928). While the features of the rainfall do not stand out clearly owing to the other items on the map, the heavy rainfall of over 80 inches on the southwestern highlands and the moderate rainfall of under 40 inches in the valley in the rain shadow to the north are in evidence. In the east the rainfall is moderately heavy, 50 to 55 inches being most prominent, though less than 50 and even under 45 occupy belts inland and on the southern portion of the coast. The mean annual temperatures range from under 50 in the extreme northwest to over 63 in the southeast. The bases for these isohyets and isotherms are the full records from the climatological stations in the State. A more comprehensive study of the rainfall, including due consideration of homogeneity of the years of record, is in preparation.—C. F. B.

Proposed meteorological service for East Africa.—Mr. Charles H. Albrecht, American consul at Nairobi, Colony of Kenya, Africa, communicates the following—

"The establishment of a meteorological service embracing British East African territories and Egypt and linking up with similar services in other parts of the

world is foreshadowed in a memorandum which has been circulated to members of the Kenya Legislative Council.

"Some of the benefits of the service, the cost of which would be met by the various territories concerned, would include a permanent survey of climatic conditions affecting human and crop disease, insect pests, the ascertainment of the relation of climate to reafforestation problems, rainfall forecasts, and the best routes for air services."

Meteorological summary for Chile, August, 1928 (by J. Bustos Navarrete, Observatorio del Salto, Santiago, Chile).—There was some increase in the activity of atmospheric circulation, especially in the second half of the month. The chief depressions were those of the 4th–6th, with rain north to Concepcion; 15th–16th, with rain north to Curico; 21st–24th, with scattered rains in central and southern regions; 25th–27th, with squally weather north to Valparaiso; and 29th–31st, with rain north to Arauco.

Periods of fine weather accompanied the high-pressure areas charted as follows: 1st–5th, 7th–12th, and 17th–22d.

Total precipitation for August: Santiago, 0.32 inch; Valdivia, 6.98 inches.—Translated by W. W. R.

BIBLIOGRAPHY

C. FITZHUGH TALMAN, in Charge of Library

RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

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Il clima dei Colli Euganei e di Padova. Roma. 1928. 42 p. 27½ cm.

France. Office national météorologique.

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Grosse, W.

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Antarctica; a treatise on the southern continent. London. [1928.] xv, 448 p. front. plates. maps (part fold.). diagrs. 26 cm. [Chapter 4, Meteorology.]

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Registrierbeobachtungen der Hessischen Ultra-γ-Strahlung auf Muottas Muragl (2456 m.). Leipzig, 1928. p. 12–54. illus. 22½ cm. (Sonderdr.: Gerlands Beiträge zur Geophysik. Bd. 20.)

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Sun-spot numbers and annual rainfall in New Zealand. Wellington. 1928. p. 90–97. fig. 25 cm. (New Zealand journ. sci. & tech. v. 10, no. 2, 1928.)

Kimball, Herbert H.

Distribution of energy in the visible spectrum of sunlight, skylight, and the total daylight. 16 p. figs. 23 cm. (Internat. comm. on illum., 7th meeting, Saranac inn, N. Y., Sept. 22–28, 1928.)

Leighly, John B.

M. F. Maury and the theory of the general circulation of the atmosphere. p. 49–60. fig. 23½ cm. (Repr.: Cent. state teachers coll. studies, no. 1. June, 1928. Mount Pleasant, Mich.)

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Les galeries du golfe de Gascogne. p. 791–793. 27½ cm. (Bull. Soc. d'océan. de France. 8e année. 15 juil. 1928.)

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Technische Navigation und Meteorologie. Unter Mitwirkung von F. U. Fischer, T. Georgi und H. Maurer. Bremen. 1927. 176 p. figs. tables. 25 cm. (Nachtrag zur 10. Auflage.) (Breusing-Meldau/Steuermannskunst. Im Verein mit O. Fulst und C. Schilling, herausgegeben von H. Meldau.)

Mortensen, Hans.

Der Formenschatz der nordchilenischen Wüste. Ein Beitrag zum Gesetz der Wüstenbildung. Berlin. 1927. viii, 191 p. illus. plates (part fold.) 25½ cm. (Abhandl. Geellsch. der Wissensch. zu Göttingen. Math.-phys. Kl., neue Folge Bd. 12, 1.)

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Abluss und Verdunstung im Coloradogebiet. Stuttgart. 1928. 31 p. fig. plate (fold.) 22½ cm. (Inaug.-Dissert., Friedrich-Wilhelms-Univ. zu Berlin.)

Die Wasserhaushalt des Coloradogebietes im südwestlichen Nordamerika. Mit einem Anhang Untersuchungen über die Denudation dieses Gebietes, von M.-Mercedes Leiter. Stuttgart. 1928. 81 p. figs. 23½ cm.

Terada, Torahiko, & others.

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Wells, Edward Lansing.

Some fundamental facts in meteorology. Portland, Ore. n. d. v. p. illus. 20 cm. (Prepared for Rankin flying school.)

Zsigmondy, Emil, & Paulcke, Wilhelm.

Die Gefahren der Alpen. 8te. Aufl. . . München. [1927.] 361 p. illus. plate. port. 21 cm. [Contains chapters on weather.]